

**VERSION WITH MARKINGS TO SHOW CHANGES MADE****In The Claims:**

12. A connector assembly as recited in claim 6 further comprising a retainer [body] positioned adjacent to the first carrier board and said second carrier board, said retainer including a first snap engaging said first [substrate] carrier board and a second snap [feature] engaging said second [substrate] carrier board to retain said retainer [body] between said first carrier board and said second carrier board.

15. A connector assembly as recited in claim 1 wherein said guide channel comprises a snap and said guide arms comprise a snap opening sized to receive [a connector] said snap.

19. An imaging system comprising:

a detector having a back shell having guide channels therein; and

a data acquisition system comprising:

a circuit board; and

a housing coupled to said circuit board, said housing sized to receive said back shell, said housing having guide arms extending therefrom, said guide arms sized to be receive within said guide channel.